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PATENT & TRADEMARK OFFICE

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PTO/SB/19 (10-01)
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UTILITY PATENT APPLICATION TRANSMITTAL

Attorney Docket Number	THRS0013-0001
Filing Date	9/14/2003
First Named Inventor	JIMIN ZHANG, ET AL.
Title	INSERTABLE ULTRASOUND PROBES, SYSTEMS, AND METHODS FOR THERMAL THERAPY

APPLICATION ELEMENTS
See MPEP chapters 600 & 1600 concerning plant patent application contents

ADDRESS TO: Mail Stop Patent Application ; Commissioner for Patents; P.O. Box 1450; Alexandria, VA 22313-1450

1. ☐ Fee Transmittal Form (e.g., PTO/SB/17) *(Submit an original, and duplicate for fee processing)*
2. ☒ Applicant claims small entity status. See 37 CFR 1.27.
3. ☐ Specification [Total Pages ☐] *(preferred arrangement set forth below)*
 - Descriptive title of the invention
 - Cross References to Related Applications
 - Statement Regarding Fed sponsored R & D
 - Reference to sequence listing, a table, or a computer program listing appendix
 - Background of the Invention
 - Brief Summary of the Invention
 - Brief Description of the Drawings *(if filed)*
 - Detailed Description
 - Claim(s)
 - Abstract of the Disclosure
4. Drawing(s) (37 CFR 1.152) [Total Sheets ☐]
5. Oath or Declaration [Total Pages ☐]
 a. ☐ Newly executed (original or copy)
 b. ☐ Copy from a prior application (37 CFR 1.63(d)) *(for continuation/divisional with Box 16 completed)*
 i. ☐ DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b)
6. ☐ Application Data Sheet. See 37 CFR 1.76
7. ☐ CD-ROM or CD-R in duplicate, large table or Computer Program *(Appendix)*
8. ☐ Nucleotide and/or Amino Acid Sequence Submission *(if applicable, all necessary)*
 a. ☐ Computer Reader Form (CRF)
 b. Specification Sequence Listing on:
 i. ☐ CD-ROM or CD-R (2 copies); or
 ii. ☐ Paper
 c. ☐ Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. ☐ Assignment Papers (cover sheet & document(s))
10. ☐ 37 CFR 3.73(b) Statement *(when there is an assignee)* ☐ Power of Attorney
11. ☐ English Translation Document *(if applicable)*
12. ☒ Information Disclosure Statement (IDS)/PTO-1449 ☒ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☐ Return Receipt Postcard (MPEP 503) *(Should be specifically itemized)*
15. ☐ Certified Copy of Priority Document(s) *(if foreign priority is claimed)*
16. ☐ Nonpublication Request under 35 U.S.C 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent
17. ☐ Other: _____

18. **If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under *37 CFR 1.76*.**

☐ Continuation ☐ Divisional ☒ Continuation-in-part (CIP) of prior application No.: 09/696,076
AND THIS APPLICATION CLAIMS BENEFIT UNDER 35 USC § 119 (E) FROM US APPL.NO.60/4113,118

Prior application information: Examiner : Shawntina T. Fuqua *Art Unit:* 3742

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

19. CORRESPONDENCE ADDRESS

☒ *Customer Number or Bar Code label* 36,309 or ☐ Correspondence address below

Name					
Address					
City		State		Zip Code	
Country		Telephone		Fax	
Name (Print/Type)	SHELDON K. LEE	*Registration No. (Attorney/Agent)*			53,197
Signature			Date		~~10/10/2003~~ 11/12/03

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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SHEET 1 OF 5

Complete if Known	
Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No.	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear
		US- 4,206,763	06/10/1980	Penderson	All
		US- 4,237,901	12/09/1980	Taenzer	All
		US- 4,484,569	11/27/1984	Driller, et al.	All
		US- 4,748,985	06/07/1988	Nagasaki	All
		US- 4,273,127	06/16/1981	Auth et al.	All
		US- 4,784,148	11/15/1988	Dow , et al.	All
		US- 4,850,363	07/25/1989	Yanagaw a	All
		US- 4,905,672	03/06/1990	Schw arze, et al.	All
		US- 4,913,155	04/03/1998	Dow , et al.	All
		US- 4,929,246	05/29/1990	Sinofsky	All
		US- 4,931,047	06/05/1990	Broadw in, et al.	All
		US- 4,938,217	07/03/1990	Lele	All
		US- 4,957,099	09/18/1990	Hassler	All
		US- 5,026,387	06/25/1991	Thomas	All
		US- 5,036,855	08/06/1991	Fry et al.	All
		US- 5,080,101	01/14/1992	Dory	All
		US- 5,080,102	01/14/1992	Dory	All
		US- 5,178,135	01/12/1993	Uchiyama et al.	All

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	

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This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT
SHEET 2 of 5

Sheet	2	of	01/05/1900	Attorney Docket Number	THRSP-0013-0001

Application Number	NOT YET ASSIGNED
Customer Number	36,309
Filing Date	9/14/2003
First Named Inventor	JIMIN ZHANG, ET Al.
Art Unit	NOT YET ASSIGNED
Examiner Name	NOT YET ASSIGNED

NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropiate), title of the item (book, magazine, journal, serial, symposium, catolog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T
		SHARAM VASEY, ET AL., "*Hemostasis of Punctured Blood Vessels Using High Intensity Focused Ultrasound*," Ultrasound in Med. &Biol.,Vol. 24, No.6, pp. 903-910, 1998, USA	
		ROY W. MARTIN, ET AL., "*Hemostasis of Punctured Vessels Using Doppler-Guided High Intensity Ultrasound*," Ultrasound in Med. & Biol., Vol. 25, pp. 985-990, 1999, USA.	
		JOSEPH L. ROSE, " *Source Influence*" Ultrasonic Waves in Solid Media, pp. 200-227, Cambridge University Press, 1999, USA.	

Examiner Signature		Date Considered	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SHEET 3 OF 5

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Complete if Known	
Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

		US- 5,233,994	08/10/1993	Shmulew iz	All
		US- 5,263,957	11/23/1993	Davison	All
		US- 5,243,988	09/14/1993	Sieben et al.	All
		US- 5,290,278	03/01/1994	Anderson	All
		US- 5,364,389	11/15/1994	Anderson	All
		US- 5,383,896	01/24/1995	Gershony et al.	All
		US- 5,415,657	05/16/1995	Taymor-Luria	All
		US-5,454,373	10/03/1995	Koger et al.	All
		US- 5,471,988	12/05/1995	Fujio et al.	All
		US- 5,492,126	02/20/1996	Hennige et al.	All
		US- 5,507,744	04/16/1996	Tay et al.	All
		US- 5,630,837	05/20/1997	Crow ley	All
		US- 5,643,179	06/01/1997	Fujimoto	All
		US- 5,666,954	09/16/1997	Chapelon et al.	All
		US- 5,695,493	12/09/1997	Nakajima et al.	All
		US- 5,697,897	12/16/1997	Buchholtz et al.	All
		US- 5,735,796	04/07/1998	Granz et al.	All
		US- 5,738,635	04/14/1998	Chapelon et al.	All
		US- 5,762,066	06/09/1998	Law et al.	All
		US- 5,769,790	06/23/1998	Watkins et al.	All

FOREIGN PATENT DOCUMENTS

Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

Examiner Signature		Date Considered	

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Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

		US- 5,788,636	07/04/1998	Curley	All
		US- 5,810,810	09/22/1998	Tay et al.	All
		US- 5,824,015	10/20/1998	Sawyer	All
		US- 5,827,268	10/27/1998	Laufer	All
		US- 5,873,828	02/28/1999	Fujio et al.	All
		US- 5,882,302	03/16/1999	Driscoll Jr. et al.	All
		US- 5,904,659	05/18/1999	Duarte et al,	All
		US- 5,957,849	09/28/1999	Munro	All
		US- 5,964,782	10/12/1999	Lafontaine et al.	All
		US- 5,993,389	11/30/1999	Driscoll Jr. et al.	All
		US- 6,083,159	07/04/2000	Driscoll Jr. et al.	All
		US-6,007,499	12/28/1999	Martin et al.	All
		US- 6,182,341	02/06/2001	Talbot et al.	All
		US- 6,206,843	03/27/2001	Iger et al.	All
		US- 6,217,530	04/17/2001	Martin et al.	All
		US- 6,254,601	07/03/2001	Burbank et al.	All
		US- 6,315,441	11/13/2001	King	All
		US- 6,419,669	07/16/2002	Frazier et al.	All
		US- 6,432,067	08/13/2002	Martin et al.	All
		US- 6,500,133	12/31/2002	Martin et al.	All

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

SHEET 5 OF 5

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Complete if Known	
Application Number	NOT YET ASSIGNED
Customer Number	36, 309
Filing Date	9/14/2003
First Named Inventor	LEE ET AL.
Attorney Docket Number	THRSP-0013-0001
Examiner Name	NOT YET ASSIGNED
Art Unit	NOT YET ASSIGNED

		US- 6,562,037	05/13/2003	Paton et al.	All
		US- 6,565,557	05/20/2003	Sporri et al.	All
		US- 6,595,934	07/22/2003	Hissong et al.	All
		US- 2001/0014805	08/16/2001	Burbank et al.	All
		US- 2001/0044636	11/22/2001	Pedros et al.	All
		US- 2002/0095164	07/18/2002	Andreas et al.	All
		US-2003/0009194	01/09/2003	Saker et al.	All
		US-2003/0050665	03/13/2003	Ginn	All

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Examiner Initials	Cite No.	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Documents	Pages, Cloumns, Lines, Where Relevant Passages or Relevant Figures Appear	T

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